

## M 4.2, 10 km NE of Anoka, Nebraska

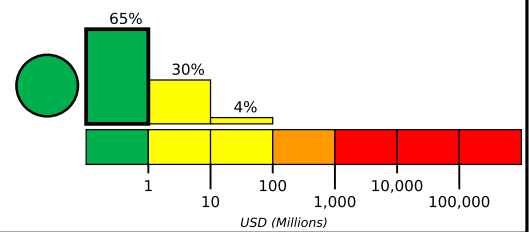
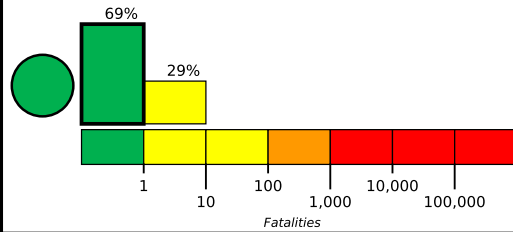
Origin Time: 2021-06-04 15:25:00 UTC (Fri 10:25:00 local)  
Location: 43.0037° N 98.7335° W Depth: 5.0 km

Created: 18 minutes, 2 seconds after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

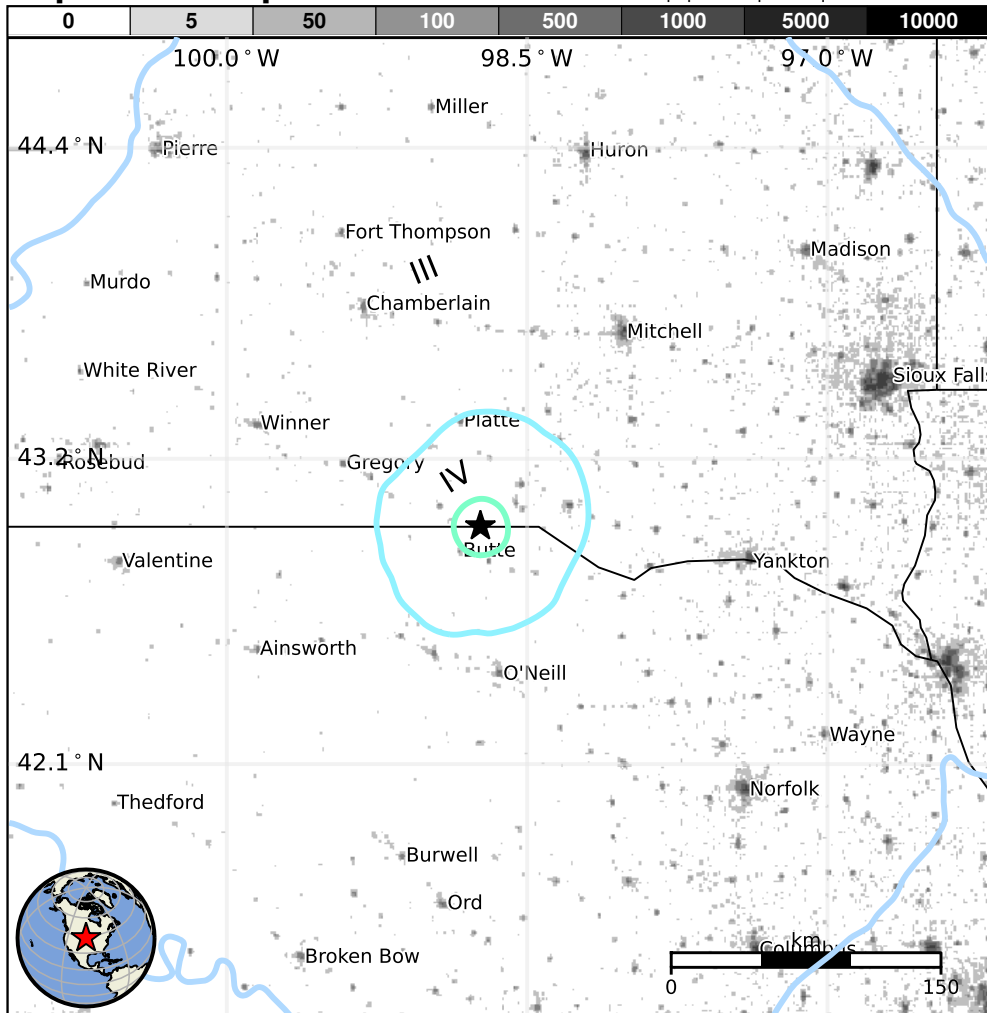


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,037k	12k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-03-04	145	4.6	V(1k)	—
1975-07-09	365	4.6	V(5k)	—

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Butte	0
IV	Lake Andes	1k
IV	Wagner	2k
IV	Armour	1k
IV	Platte	1k
III	Burke	1k
III	Norfolk	24k
III	Sioux Falls	154k
III	Sioux City	83k
II	Pierre	14k
II	Fremont	26k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000e9qy#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000e9qy